

West Nile Virus Newsletter

Zoonotic Disease Program, Washington State Department of Health

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Purpose

To keep our partners and other interested entities informed about West Nile virus (WNV)

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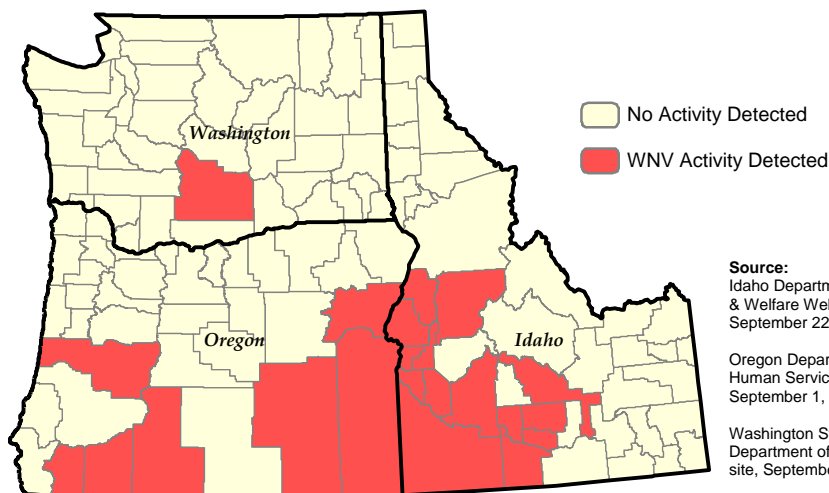
National, northwest, and state surveillance

View the [September 8th](#) WNV Newsletter

Subscribe, Submit Articles, Suggestions

Contact Ben Hamilton
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West Nile virus activity in the Northwest



Washington: One bird and two mosquito pools from Yakima County have tested positive for WNV. **Idaho:** Eighty-seven horses, seventeen mosquito pools, twelve birds, and twelve humans and one dog have been infected. **Oregon:** Nine birds, six horses, six mosquito pools, four sentinel chickens, and two humans have tested positive for WNV.

Dead bird and another mosquito pool test positive for WNV in Yakima County

A dead bird from Yakima County has tested positive for West Nile virus. According to the Washington State Department of Health, the magpie was collected in early September and sent to the Washington Animal Disease Diagnostic Laboratory at Washington State University for testing. It's the first West Nile virus-positive dead bird in our state since 2002.

"This disease typically shows up in mosquitoes or dead birds before it's detected in horses or people, though there are some exceptions," said Maryanne Guichard, director of Environmental Health and Safety. "We understand the concern many people have about West Nile virus, and that's why we are putting a lot of effort into monitoring and tracking the disease in our state."

The Benton County Mosquito Control District has identified two mosquito pool samples that were positive for WNV in the past week, both in eastern Yakima County. Both positive mosquito pools were *Culex pipiens*.

"This second positive doesn't change anything in terms of our control program and strategy for this area," said James Henriksen, District Manager of Benton County

Upcoming Conference

[Northwest Mosquito and Vector Control Annual Conference, October 9-11 in Layton, Utah](#)

WNV Web Resources

Washington State Department of Health
www.doh.wa.gov/wnv

Centers for Disease Control and Prevention
www.cdc.gov/ncidod/dvbid/westnile

US Geological Survey & CDC ArboNET maps
<http://westnilemaps.usgs.gov/index.html>

Cornell University, Environmental Risk Analysis Program
<http://environmentalrisk.cornell.edu/WNV/>

Washington State University Cooperative Extension
www.wnv.wsu.edu

Washington State Department of Agriculture
www.agr.wa.gov/FoodAnimal/AnimalHealth/Diseases/WestNileVirus/default.htm

Northwest Links

Idaho Department of Health & Welfare
www.westnile.idaho.gov

Oregon Department of Human Services
<http://egov.oregon.gov/DHS/ph/acd/diseases/wnile/survey.shtml>

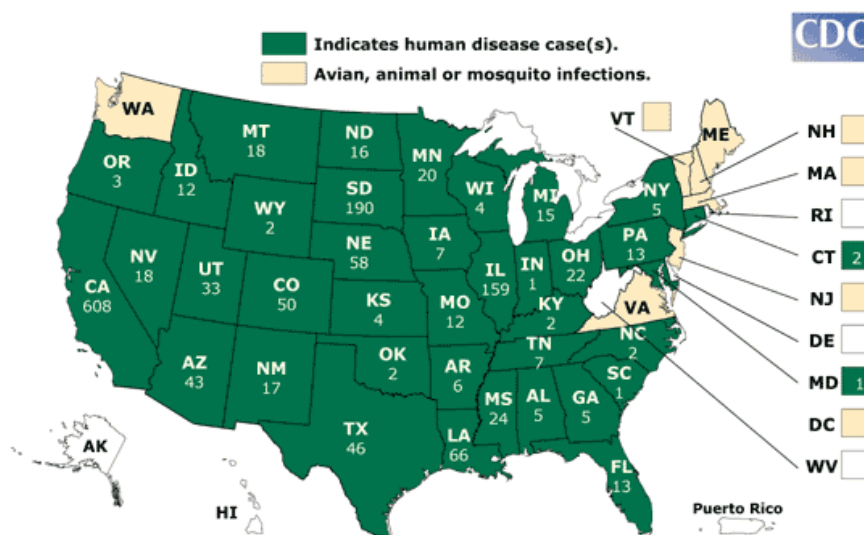
British Columbia Center for Disease Control
www.bccdc.org

Mosquito Control. "We have already stepped up control measures in this known positive area because of last week's results and continue to monitor and provide control throughout the District."

View the Department of Health's September 16th news release at http://www.doh.wa.gov/Publicat/2005_news/05-117.htm.

West Nile virus activity in the United States

(Reported to CDC as of September 20, 2005)



As of September 20, 2005 a total of 38 states have published 1,512 human cases, compared with 1,604 cases from 39 states at this time in 2004.

National maps and data available at <http://www.cdc.gov/ncidod/dvbid/westnile/surv&control.htm>.

South Dakota experiencing heavy WNV season

South Dakota ranks only behind California for the most human WNV cases reported this year. As of September 16, 2005, 231 human cases, with one death, have been reported by the South Dakota Department of Health. Provisional data shows that the ages of the 2005 cases range from one to 89 years old. Of the cases investigated, 13 percent have had WNV neuroinvasive disease, 86 percent have had WNV fever and 1 percent had acute flaccid paralysis. Two cases of pregnancy-associated West Nile illness have also been reported.

Last year, there were 51 human cases, including one death. In 2003, South Dakota experienced its largest outbreak with 1,041 human WNV cases and 14 deaths.

The outbreak in 2003 prompted a grants program to be created to help cities, counties, and tribes with WNV preparation. Over \$476,000 was awarded to 70 different entities in South Dakota this year to help fight the virus.

More about WNV in South Dakota is available at <http://WestNile.sd.gov>.

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WNV in Humans

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Mosquito spraying begins in New Orleans

LOUISIANA - State and federal officials announce a comprehensive aerial mosquito abatement program that began September 12 and will continue in various areas across hurricane-affected areas for the next six weeks. Spraying is necessary to prevent the possible spread of mosquito-borne diseases.

Specially equipped U.S. Air Force Reserve C-130H cargo planes from the 910th Airlift Wing, Youngstown, Ohio will commence a routine aerial spraying operation using the insecticide Dibrom (also known as naled) approximately one hour before dusk in New Orleans. Outlying areas of Louisiana and Alabama may be sprayed at a later date, if needed.

More information about the mosquito control plans is available from FEMA at <http://www.fema.gov/news/newsrelease.fema?id=18819> and the CDC's Hurricane Katrina Web page at <http://www.bt.cdc.gov/disasters/hurricanes/>.

Washington non-human surveillance summary

(Reported to DOH as of September 20, 2005)

County	Horses [†]		Birds ^{**}		Sentinel Flocks ^{***}		Mosquito Pools ^{****}	
	Tested	Positive	Tested	Positive	Tested	Positive	Tested	Positive
Adams	0	0	1	0	0	0	0	0
Asotin	0	0	2	0	0	0	0	0
Benton	1	0	23	0	380	0	254	0
Chelan	0	0	3	0	0	0	0	0
Clallam	0	0	3	0	0	0	0	0
Clark	1	0	11	0	0	0	35	0
Columbia	0	0	0	0	0	0	0	0
Cowlitz	0	0	6	0	0	0	26	0
Douglas	0	0	1	0	0	0	0	0
Ferry	0	0	2	0	0	0	0	0
Franklin	0	0	2	0	0	0	71	0
Garfield	0	0	0	0	0	0	0	0
Grant	1	0	2	0	0	0	0	0
Grays Harbor	0	0	8	0	0	0	0	0
Island	1	0	41	0	0	0	0	0
Jefferson	0	0	9	0	0	0	14	0
King	2	0	98	0	0	0	1	0
Kitsap	0	0	0	0	0	0	110	0
Kittitas	0	0	5	0	0	0	0	0
Klickitat	1	0	4	0	0	0	0	0
Lewis	0	0	17	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0
Mason	0	0	16	0	0	0	0	0
Okanogan	0	0	2	0	0	0	0	0
Pacific	0	0	1	0	0	0	0	0
Pend Oreille	1	0	0	0	0	0	0	0
Pierce	0	0	87	0	0	0	71	0
San Juan	1	0	2	0	0	0	0	0
Skagit	1	0	12	0	0	0	0	0
Skamania	0	0	1	0	0	0	0	0
Snohomish	6	0	52	0	0	0	9	0
Spokane	2	0	17	0	0	0	0	0
Stevens	3	0	5	0	0	0	0	0
Thurston	0	0	74	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0
Walla Walla	1	0	7	0	0	0	0	0
Whatcom	1	0	13	0	0	0	0	0
Whitman	1	0	6	0	0	0	0	0
Yakima	1	0	15	1	100	0	217	2
Totals	25	0	548	1	480	0	808	2

[†]A total of 33 horses have been tested for West Nile virus with negative results. Eight were not included in the table because county/state information was not available. WADDL Report Dated: August 31, 2005.

[†]WNV positive acquired in state.

^{**}A total of 563 birds have been submitted for West virus testing of which 15 birds were unsuitable and not tested for West Nile virus. USGS Report Date: September 12, 2005 and WADDL Report Date: September 19, 2005

^{***}Benton County MCD Report Dated: September 20, 2005

^{****} Mosquito pools tested by USACHPPM-West Report Date: September 16, 2005 (Week #28), Cowlitz County MCD Report Date: August 25, 2005, Benton MCD Report Date: September 20, 2005, Franklin MCD Report Date: August 24, 2005, Clark MCD Report Date: September 12, 2005, and WADDL Report Date: September 7, 2005.